

Electrafil® J-1200/CF/10/VO/ND

Acrylonitrile Butadiene Styrene

Techmer Engineered Solutions

Message:

Electrafil® J-1200/CF/10/VO/ND is an acrylonitrile butadiene styrene (ABS) product, which contains a 10% carbon fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

flame retardant/rated flame

ROHS certification

Flame Retardant

| General Information | | | |
|---|--|-------------------|-------------|
| Filler / Reinforcement | Carbon fiber reinforced material, 10% filler by weight | | |
| Additive | Flame retardancy | | |
| Features | Flame retardancy | | |
| RoHS Compliance | RoHS compliance | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.27 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.20 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break, 23°C) | 82.7 | MPa | ASTM D638 |
| Flexural Modulus (23°C) | 7580 | MPa | ASTM D790 |
| Flexural Strength (Break, 23°C) | 109 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 32 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 102 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 5.0E+2 | ohms | ASTM D257 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.59 mm) | V-0 | | UL 94 |
| Additional Information | | | |

Surface Resistivity, ASTM D4496: 1E2-1E3 ohms/sq

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Recommended distributors for this material

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